



 Bird Technologies®

SiteHawk Analyzer

SK-4000-TC

- ▶ Easy to operate and field ready for first-time, occasional and experienced users.
- ▶ FDR (Frequency Domain Reflectometry) measurement method results in a highly reliable assessment of the health of critical components in your system; ultimately providing a “heads-up” before a failure occurs.
- ▶ Fault location or DTF mode indicates VSWR or Return Loss levels at each point along the cable and antenna system length.
- ▶ Cable Loss function measures insertion loss of the cable system over a given frequency range.
- ▶ One unit covers the entire 85-4000 MHz range!
- ▶ USB communication port for connection to storage device and battery charging.
- ▶ Color display is clearly visible in direct sunlight.

MEASUREMENT CAPABILITY

Fast swept measurement.

Seven user-selectable trace capture options:
51,101,201,401,801,1601 or 3201 data points per sweep.

Adjustable pass/fail limit with visual indicator.

16GB of internal flash memory for storing thousands of traces and setups.

X and Y scales and units are user adjustable.

Six markers for either direct or difference measurements.

Can also measure relative to limit line or recalled trace.

Measurement hold to temporarily store a trace.

Frequency can be set using either Start/Stop or Center/Span frequencies.

Measurement can be Return Loss [dB], Cable Loss [dB],
VSWR [ratio],DTF VSWR[ratio] or DTF Return Loss [dB].

Measurement units can be Return Loss [dB] or VSWR [ratio].

APPLICATIONS

Worldwide Cellular, PCS/DCS, CDMA, GSM, LTE Protocols,
3G, Broadcast, Government, Tactical Military, Microwave,
Paging, Public Safety, Trunking, WLAN, TETRA, WLL.

SiteHawk Analyzer

SK-4000-TC

SPECIFICATIONS

Frequency Range	85 to 4000 MHz
Frequency Accuracy	$\pm 2.5 \times 10^{-6}$
Frequency Resolution	1kHz
Output Power	-10dBm
Reflect Amplitude Accuracy	
-15 dB to 0 dB	0.4 dB
-25 dB to -15 dB	1.5 dB
-35 dB to -25 dB	4.0 dB
Trace Noise Magnitude (IFBW 1kHz)	0.02 dB rms
Measurement Speed	0.25 ms / data point
Measurement Points	51 to 3201
Measure Bandwidth	100 Hz to 30kHz
Temperature Stability	0.01 dB/°F 0.02 dB/°C
Return Loss Measurement Range	0 dB to -60 dB
Resolution	0.01 dB
VSWR Measurement Range	1.0 to 65.0
Cable Loss Measurement Range	0 dB to 30 dB
DTF Range	0 to 5000 (ft) 0 to 1500 (m)
Test Port Connector Impedance	N-type, Female 50 ohms
Connector	Micro USB B, USB 2.0
Languages	English, Chinese
Recommended Calibration Interval	1 year

Dimensions (LxWxH)	7.2 x 3.8 x 1.9 (in) 182 x 95 x 46.5 (mm)
Weight	1.98 (lbs) 0.9 (kg)
Maximum Input Voltage	50V
Operates In Temperature	14°F to 131°F -10°C to +55°C
Storage Temperature	-40°F to 176°F -40°C to +80°C
Battery Charging Temperature	32°F to 95°F 0°C to +35°C
Altitude	Up to 5000 (ft) Up to 1500 (m)
Humidity	95±5° max (non-condensing)
Power Measurement	No
Storage Capacity	Thousands of Traces and Setups
Immunity to Interfering Signals	+13dBm
CE	EMC – Standard EN 61326-1 :2006 Safety – Standard EN 61010-1 :2001 RoHS – Directive 2011/65/EU
Battery	Lithium-ion rechargeable 4 Hrs Typical Operating Time
Battery Charge Time	8 Hrs for Full Charge



STANDARD ACCESSORIES PROVIDED

5B2229-510H-3	AC Adapter (5 Vdc Output)
7002A228-1	Hard Carrying Case
5B2653-3R5NL4	USB Interface Cable, Power, 1 meter long
5A2970-16-60C	RF Cable, 1.5 meter long
920-SK-4000	Instruction Manual
7002A219-1	Soft Carrying Case
5A2745	USB Drive
5B2653-0R4NL5	USB Interface Cable, 15 cm long
5A5002-6	International Adapter

OPTIONAL ACCESSORIES

CAL-MN-C	Calibration Combo
PA-MNFE	Adapter, N(m) to 7-16 DIN(f)



30303 Aurora Rd. | Solon, OH 44139 | 866.695.4569 | www.bird-technologies.com

